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Geomatics, Landmanagement and Landscape

GLL *Geomatics,
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and Landscape*

A stylized key logo, where the shaft of the key is a horizontal line and the head is a decorative, symmetrical element.

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Foreword

We are delighted to bring you issue 2/2025 of the journal *Geomatics, Landmanagement and Landscape (GLL)*, which – true to its mission – provides a platform for interdisciplinary scientific discourse at the intersection of geoinformation, land management, technological innovation and environmental policies. This issue is distinguished not only by its diversity of topics, but above all by the insightfulness of its analyses, which aptly diagnose the key problems of contemporary space, administration and the environment.

The volume opens with a paper by O. Matuk and Sz. Budkowski, which touches on one of the most important challenges of modern geodesy – the integration of 3D objects in the national real estate cadastre. In the era of intensified urban development and vertical ownership structure, the postulated legal and technical changes may define a new paradigm for registering multidimensional space in Poland. Meanwhile, the team of E. Jasińska, P. Łazarz and A. Rusinek, drawing on data from Booking.com and Airbnb, presents an analysis of the investment attractiveness of tourist properties in Krakow. The conclusions, such as a 520 percent increase in the number of apartments between 2019 and 2024 or a 21.8-year return on investment in the city center, are a valuable resource for both urban planners and investors.

In the next paper, P. Łazarz and P. Hanus provide an in-depth analysis of the scale and structure of complaints addressed to the Voivodeship Inspectorates of Geodesy and Cartography in 2020–2023. The study reveals significant regional diversity and may offer a starting point for rethinking the effectiveness of supervision and standardization of the quality of geodetic services. The question of the financial sector's responsibility for climate change adaptation is addressed by R. Papież, who focuses on Polish banks' credit exposure to climate-sensitive sectors. In light of ESG challenges, the article offers not only a diagnosis, but also systemic recommendations – from data availability to the need to transform risk management processes.

In the next paper A. Doroż et al. discuss the land consolidation process as a restorative tool used to minimize the negative effects from highway construction.

The presentation by M.J. Smaczyński and T. Horbiński of a 3D model of a windmill created using laser scanning and photogrammetry is a valuable contribution to the field of cultural heritage. Their study is not only a technical demonstration of the capabilities of UAVs and TLS, but also an important voice in the debate on digital reconstruction of historical objects in the context of cultural landscape preservation.

The issue 2/2025 is closed by a paper by M.S. Arefin et al., which takes us beyond the borders of Europe: authors examine the landscape aspects of low-cost settlements in Sylhet (Bangladesh). This study illustrates how visual, spatial and social methods can be combined in the analysis of marginally urbanized areas, and propose systemic and spatial solutions for them.

Each of the presented articles falls within the broader context of the search for sustainable solutions to the challenges of contemporary space – spanning between technology, regulation, investment and heritage. This volume does not only document the current state of knowledge, but above all inspires further research, implementation and interdisciplinary collaboration.

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